

Page 1

ID WBS	Task Name	Duration	Start	Finish	Cost Fixed Cost Center	Cost Acti	ivi Cost per Unit	Resource Cost	2017 2018 Qtr 4 Qtr 1 Qtr 2 Qtr 3 Qtr 4 Qtr 1 Qtr 2 Qtr 3 Qtr 4	2019 2020 4 Otr 1 Otr 2 Otr 3 Otr 4 Otr 1 Otr 2 Otr 3 Otr 4	2021 Otr 1 Otr 2 Otr 3 Otr 4 Otr 1
53 1.5.4	MAPS Inner Barrel Review (CD-2/3)	12 days	Mon 7/2/18	Tue 7/17/18	1	\$14,560.00	\$0.00	\$14,560.00			
54 1.5.4.1	MAPS Final Design Review	1 day	Mon 7/2/18	Mon 7/2/18	\$0.00	\$2,080.00	\$0.00	\$2,080.00		ectronics Engineer,Mechanical Engineer,Ph	nysicist
55 1.5.4.2	Incorporate Review Comments	10 days	Tue 7/3/18	Mon 7/16/18	\$0.00	\$10,400.00	\$0.00	\$10,400.00	E	lectronics Engineer[50%],Mechanical Engir	neer[50%],Physicist
56 1.5.4.3	Complete Final Design (CD-2)	1 day	Tue 7/17/18	Tue 7/17/18	\$0.00	\$2,080.00	\$0.00	\$2,080.00	7.	/17	
57 1.5.5	Productions	534 days?	Thu 6/14/18	Tue 6/30/20	\$0.00	\$2,621,718.00 Pro	d \$0.00	\$434,008.00		Pro	oduction
58 1.5.5.1	Full Pre-Production-Mechnical System Mock Up Test	90 days	Thu 6/14/18	Wed 10/17/18	\$50,000.00	\$103,640.00	\$0.00	\$53,640.00		Mechanical Engineer[20%],Mech Tech[50%],Physicist[50%]
59 1.5.5.2	Procurements	180 days?	Wed 8/1/18	Tue 4/9/19	\$0.00	\$2,311,534.00	\$0.00	\$173,824.00			
60 1.5.5.2.1	CERN Procurements	180 days?	Wed 8/1/18	Tue 4/9/19	· ·	\$1,144,212.40	\$0.00	\$141,542.40			
61 .5.5.2.1.1	Produce 68 Inner Staves	180 days	Wed 8/1/18	Tue 4/9/19		. ,	\$6,500.00	\$139,680.00		Physicist[200%],Elec tech,Ele	ectronics Engineer[0%],Mec
62 .5.5.2.1.2	Stave Production Full Cost Recovery of CERN Manpower	180 days	Wed 8/1/18	Tue 4/9/19			\$7,353.00	\$0.00			
63 .5.5.2.1.3		120 days	Wed 8/1/18	Tue 1/15/19			\$0.00	\$1,862.40		Physicist[5%],Mech Tech[2%]	
64 .5.5.2.1.4	Travel and Per Diem at CERN	180 days?	Wed 8/1/18	Tue 4/9/19			\$0.00	\$0.00		•	
65 1.5.5.2.2		107 days	Wed 8/1/18	Thu 12/27/18	·	\$1,167,321.60	\$0.00	\$32,281.60			
66 .5.5.2.2.1	Procure 68 Readout /RDO Units	100 days	Wed 8/1/18	Tue 12/18/18			\$4,700.00	\$15,520.00		Physicist[10%],Elec tech[20%]	
67 .5.5.2.2.2	·	60 days	Thu 8/2/18	Wed 10/24/18			\$620.00	\$931.20		Physicist[2%],Elec tech[2%]	
68 .5.5.2.2.3		100 days	Fri 8/3/18	Thu 12/20/18			\$5,300.00	\$1,552.00		Physicist[2%],Elec tech[2%]	
69 .5.5.2.2.4	sPHENIX CRU Production Contingency	100 days	Fri 8/3/18	Thu 12/20/18			\$0.00	\$0.00		M	
70 .5.5.2.2.5		60 days	Mon 8/6/18	Fri 10/26/18			\$270.00	\$931.20		Physicist[2%],Elec tech[2%]	
71 .5.5.2.2.6	Procure Ancillary Materials (LVPS and cables etc)	100 days	Tue 8/7/18	Mon 12/24/18			\$0.00	\$1,552.00		Physicist[2%],Mech Tech[2%]	
72 .5.5.2.2.7	Procure Cooling Plant	100 days	Wed 8/1/18	Tue 12/18/18			\$0.00	\$1,552.00		Physicist[2%],Mech Tech[2%]	
73 .5.5.2.2.8	Procure Assembly Fixtures & Jigs	60 days	Thu 8/2/18	Wed 10/24/18	· · · ·		\$0.00	\$931.20		Physicist[2%],Mech Tech[2%]	
74 .5.5.2.2.9		100 days	Fri 8/3/18	Thu 12/20/18			\$0.00	\$1,552.00		Physicist[2%],Mech Tech[2%]	
75 5.5.2.2.10	•	100 days	Mon 8/6/18	Fri 12/21/18			\$0.00	\$1,552.00		Physicist[2%],Mech Tech[2%]	
76 5.5.2.2.11	Procure Detector Half Barrels	100 days	Tue 8/7/18	Mon 12/24/18			\$0.00	\$1,552.00		Physicist[2%],Mech Tech[2%]	
77 5.5.2.2.12		100 days	Wed 8/8/18	Tue 12/25/18			\$0.00	\$1,552.00		Physicist[2%],Mech Tech[2%]	
78 5.5.2.2.13	Barrels	100 days	Thu 8/9/18	Wed 12/26/18			\$0.00	\$1,552.00		Physicist[2%],Mech Tech[2%]	
79 5.5.2.2.14	Procure Two Half Support Structures	100 days	Fri 8/10/18	Thu 12/27/18			\$0.00	\$1,552.00		Physicist[2%],Mech Tech[2%]	
80 1.5.5.3	-	400 days	Wed 12/19/18	Tue 6/30/20	· ·		\$0.00	\$206,544.00			<u> </u>
81 1.5.5.3.1	Test Production FEMS, e-Links, CRU, LV, optical links	60 days	Tue 12/25/18	Mon 3/18/19			\$0.00	\$13,968.00		Elec tech[30%],Physicist[200%	o <u>.</u>
82 1.5.5.3.2	Assemble & Test Cooling System	20 days	Wed 12/19/18	Tue 1/15/19	·	. ,	\$0.00	\$7,760.00		Mech Tech, Physicist[50%]	
83 1.5.5.3.3	Stave Reciept Inspection	10 days	Wed 4/10/19	Tue 4/23/19			\$0.00	\$3,880.00		Physicist[50%],Elec tech[50	
84 1.5.5.3.4	Individual Stave Readout Test	70 days	Wed 4/24/19	Tue 7/30/19			\$0.00	\$10,864.00		Physicist[300%], Elec to	
85 1.5.5.3.5	••	70 days	Wed 7/31/19	Tue 11/5/19	·		\$0.00	\$41,720.00			neer[20%],Mech Tech[50%]
86 1.5.5.3.6		100 days	Wed 11/6/19	Tue 3/24/20			\$0.00	\$24,832.00			ch[200%],Physicist[200%]
87 1.5.5.3.7	Metrology on Final Assembly	10 days	Wed 3/25/20	Tue 4/7/20			\$0.00	\$10,400.00			ical Engineer ysicist[200%],Mech Tech,Ele
88 1.5.5.3.8	Cooling Test	60 days	Wed 4/8/20	Tue 6/30/20			\$0.00			Ph	ysicist[200%],Mech Tech,Eit
89 1.5.6		131 days	Wed 7/1/20	Wed 12/30/20			\$0.00	. ,		<u></u>	ach Took Dhugisist Start
90 1.5.6.1	Installation Prep	10 days	Wed 7/1/20	Tue 7/14/20			\$0.00	\$15,520.00			ech Tech,Physicist,Elec tech
91 1.5.6.2		1 day	Wed 7/15/20	Wed 7/15/20			\$0.00	\$2,080.00			hysicist,Mechanical Enginee
92 1.5.6.3		60 days	Thu 7/16/20	Wed 10/7/20			\$0.00				Physicist[200%],Mech Te
93 1.5.6.4		60 days	Thu 10/8/20	Wed 12/30/20			\$0.00				Physicist[200%],Med
94 1.5.7	Ready for beam	0 days	Wed 12/30/20	Wed 12/30/20	\$0.00	\$0.00	\$0.00	\$0.00			♦ 12/30